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| S1 | 44 | (356/610).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/09/27 09:32 |
| S2 | 1538 | optical adj section | US-PGPUB; USPAT | OR | ON | 2006/09/27 09:33 |
| S3 | 60 | optical adj section adj image | US-PGPUB; USPAT | OR | ON | 2006/09/27 09:41 |
| S4 | 13 | optical adj section adj image | USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/27 10:52 |

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[T Wilson](#)

[J Lawrence](#)

[D Korber](#)

[B Hoyle](#)

[J Costerton](#)

Optical sectioning of microbial biofilms. - group of 5 »

JR Lawrence, DR Korber, BD Hoyle, JW Costerton, DE ... - Journal of Bacteriology, 1991 - jb.asm.org

... **phase** or fluorescence microscopy is limited. SCLM allows elimination of out-of-focus haze, and it allows horizontal and vertical **optical sectioning** (0.2-, ...

Cited by 221 - [Related Articles](#) - [Web Search](#)

Optical Sectioning Microscopy: Cellular Architecture in Three Dimensions - group of 4 »

DA Agard - Annual Review of Biophysics and Bioengineering, 1984 - fluid.annualreviews.org

... that can be used with **optical sectioning** to extract ... used with a wide variety of **optical** imaging methods: bright field, polarization, **phase** contrast, and ...

Cited by 147 - [Related Articles](#) - [Web Search](#)

Confocal microscopy

T Wilson, BR Masters - Appl. Opt, 1994 - OSA

... show how this can be used to provide extended-focus **phase** imaging. ... In this way fluorescence images that exhibit **optical sectioning** may be obtained but without ...

Cited by 383 - [Related Articles](#) - [Web Search](#) - [Library Search](#) - [BL Direct](#)

Three-dimensional microscopy with phase-shifting digital holography - group of 5 »

T Zhang, I Yamaguchi - Opt. Lett, 1998 - OSA

... through a microscope objective by video camera recording, **phase**-shifting analysis ...

For quantitative analysis of a 3-D object, **optical sectioning** microscopy 1 ...

Cited by 89 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Method of obtaining optical sectioning by using structured light in a conventional microscope - group of 14 »

MAA Neil, R Juskaitis, T Wilson - Opt. Lett, 1997 - OSA

... where m denotes a modulation depth and f_0 is an arbitrary spatial **phase**. ... that the image obtained in this way does possess an **optical sectioning** property in ...

Cited by 56 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Wide-field optically sectioning fluorescence microscopy with laser illumination - group of 3 »

MAA NEIL, A SQUIRE, R JUS, I KAITIS, PIH ... - ingentaconnect.com

... using an rf **phase**-sensitive camera. Rev. Sci. Instrum. 62, 1727±1734. Lanni, F.

& Wilson, T. (1999) Grating image systems for **optical sectioning** of cells ...

Cited by 24 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Optical sectioning of the cornea with a new confocal in vivo slit-scanning videomicroscope. - group of 3 »

W Wiegand, AA Thaer, P Kroll, OC Geyer, AJ Garcia - Ophthalmology, 1995 -.ncbi.nlm.nih.gov

Optical sectioning of the cornea with a new confocal in ... a synchronization unit for matching **optical** scan and video cycle with respect to frequency and **phase**. ...

Cited by 38 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

Maximum a posteriori estimation with Good's roughness for three-dimensional optical-sectioning ... - group of 6 »

S Joshi, MI Miller - J. Opt. Soc. Am. A, 1993 - OSA

... for three-dimensional **optical-sectioning** microscopy ... The profound blurriness of the data is a result of the **optical-sectioning** point-spread function. ...

Cited by 40 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Time-domain whole-field fluorescence lifetime imaging with optical sectioning - group of 8 »

MJ COLE, J SIEGEL, SED WEBB, R JONES, K DOWLING, ... - ingentaconnect.com
... The fluorescence lifetime can be determined from the **phase** shift relative ... samples
and we demonstrate FLIM with whole- field **optical sectioning** using structured ...
[Cited by 22](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Clinical microscopy of the cornea utilizing **optical sectioning** and a high-numerical-
aperture ... - group of 7 »

CJ Koester, JD Auran, HD Rosskoth, GJ Florakis, ... - J. Opt. Soc. Am. A, 1993 - OSA
... small degree of scattering and therefore can be visualized when **optical sectioning**
and a ... In the early-design **phase** it became apparent that a given design would ...
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M Neil

T Wilson

R Juskaitis

J Aigner

M Cole

Method of obtaining **optical sectioning** by using **structured** light in a conventional microscope - group of 14 »

MAA Neil, R Juskaitis, T Wilson - Opt. Lett, 1997 - OSA

... Method of obtaining **optical sectioning** by using **structured** ... and f_0 is an arbitrary spatial **phase**. ... in this way does possess an **optical sectioning** property in ...

Cited by 56 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Surpassing the lateral resolution limit by a factor of two using **structured** illumination microscopy - group of 3 »

MGL Gustafsson - J. Microsc, 2000 - Blackwell Synergy

... pattern contrast (modulation depth) and **phase** for each ... a factor of two using **structured** illumination. ... T. (1997) Method of obtaining **optical sectioning** by using ...

Cited by 46 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Time-domain whole-field fluorescence lifetime imaging with **optical sectioning** - group of 8 »

MJ COLE, J SIEGEL, SED WEBB, R JONES, K DOWLING, ... - ingentaconnect.com

... can be determined from the **phase** shift relative to ... It uses **structured** illumination in a conventional ... FLIM with whole-field **optical sectioning** using **structured** ...

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Wide-field optically **sectioning** fluorescence microscopy with laser illumination - group of 3 »

MAA NEIL, A SQUIRE, R JUS, T KAITIS, PIH ... - ingentaconnect.com

... JR & Berndt, K. (1991) Lifetime-selective fluorescence imaging using an rf **phase-sensitive** camera. Rev. ... **optical sectioning** by using **structured** light in a ...

Cited by 24 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Maximum a posteriori estimation with Good's roughness for three-dimensional **optical-sectioning** ... - group of 6 »

S Joshi, MI Miller - J. Opt. Soc. Am. A, 1993 - OSA

... is promising implementation speeds for highly **structured** deconvolution problems ... that the data from the fluorescence **optical-sectioning** microscope consists of ...

Cited by 40 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Cartilage tissue engineering with novel nonwoven **structured** biomaterial based on hyaluronic acid ... - group of 3 »

J Aigner, J Tegeler, P Hutzler, D Campoccia, A ... - Mater Res, 1998 - doi.wiley.com

... cartilage were seeded onto nonwoven **structured** samples of ... 15×10^6 . Following this expansion **phase**, the definition ... of CLSM allows the **optical sectioning** of micro ...

Cited by 116 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A wide-field time-domain fluorescence lifetime imaging microscope with **optical sectioning** - group of 8 »

SED Webb, Y Gu, S Lévesque-Fort, J Siegel, MJ ... - Review of Scientific Instruments, 2002 - io.cfm.ac.csic.es

... **OPTICAL SECTIONING BY STRUCTURED ILLUMINATION** The FLIM system uses the **optical sectioning** technique described in ... and f_0 is an arbitrary spatial **phase**, then the ...

Cited by 13 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Optical sectioning in wide-field microscopy obtained by dynamic **structured** light illumination and ... - group of 6 »

J Mitic, T Anhut, M Meier, M Ducros, A Serov, T ... - Optics Letters, 2003 - OSA

... an alternative way to obtain **optical sectioning** with a ... three images at three different

phase lags have to ... with a time-dependent **structured** light illumination ...
[Cited by 3](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Whole-field optically sectioned fluorescence lifetime imaging - group of 10 »
MJ Cole, J Siegel, SED Webb, R Jones, K Dowling, ... - Opt. Lett, 2000 - OSA
... lifetime imaging by use of **structured** light ... positions (cor- responding to spatial
phase changes of ... we have combined FLIM with an **optical sectioning** technique to ...
[Cited by 21](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Wide-field fluorescence lifetime imaging with **optical sectioning** and spectral resolution
applied to ... - group of 5 »
DS ELSON - Journal of Modern Optics, 2002 - Taylor & Francis
... Although self- **phase** modulation in the Pockel's cell and gain medium increases the ...
2.2. **Optical sectioning** In order to obtain thin **optical** sections of ...
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